

Work Order ID 83154

83154

Page 1

April-13-12 10:35:14 AM

Item ID: D412-742-013

Accept

N900040100

Setup Start

NS1

Revision ID:

Item Name: Float Skidtube Installation

Stop

NS2

Start Date: 13/04/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 27/04/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: MLJ

Date: 12/04/13

Tooling:

Date:

Run Start

NR1

QC:

Date:

SPC (Y/N):

Date:

Stop

NR2

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
Draw Nbr	Revision Nbr								
IIN D412-742	E								
100	DOCUMENT CONTROL	0.00							
100									
DC	Memo	0.00							
Document Control	Photocopy bluefile and create labels per PPP D412-742-013	CHG007							
110	Pick Kit	0.00							
110									
Packaging	Memo	0.00							
Packaging									
120	QC4- 100% Inspect kits for completeness	0.00							
120									
QC	Memo	0.00							
Quality Control									

Handwritten: MLJ 12-4-25

Handwritten: 8/12/124

Handwritten: bte bnd

Handwritten: 8/12/124

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 83154

83154

Page 2

April-13-12 10:35:14 AM

Item ID: D412-742-013

Accept

N900040100

Setup Start ***NS1***

Revision ID:

Stop ***NS2***

Item Name: Float Skidtube Installation

Start Date: 13/04/2012 Start Qty: 1.00

1

Cust Item ID:

Required Date: 27/04/2012 Req'd Qty: 1.00

1

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start ***NR1***

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop ***NR2***

Sequence ID/ Work Center ID	Operation Description	Set Up/ Run Hours	Tool ID	Tool #	Plan Code	Accept Qty	Reject Qty	Reject Number	Insp. Stamp
130		0.00							
130	Packaging								
Packaging	Memo	0.00							
Packaging	Identify and pack for shipping as per PPP D412-742-013 Location: _____								
140		0.00							
140	QC21- Final Inspection - Work Order Release								
QC	Memo	0.00							
Quality Control									

12/15/25

mf
12-05-25

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April-13-12 10:35:18 AM

Page 1

Work Order ID: 83154

83154

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

Comments:

IPP Rev: A05.10.13 New Issue KJ/JLM
 IPP Rev: B 06-06-08 As per DSI9336 JLM IPP RevC
 07-12-03 ECN 1072 DD verified by: JLM
 IPP Rev: D 08-09-08 ecn 08-510 DD verified by: EC
 IPP Rev: E 09-01-23 as per DSI9441 DD verified by: EC IPP RevF: add
 AN4C7A DD 10.01.13 verified by: EC IPP Rev: G 11.11.01 as per
 DSI9517 REV.B DD verified by: EC IPP rev: H 12.01.12 PER IIN
 REV.E DD VERF: IPP Rev: I add AN4C47A DD 12.03.14
 verified by: EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
AN4C47A *AN4C47A* Bolt		Purchased	No			110	Each	42.0000	4	4			
				<u>Location</u>				<u>Loc Qty</u>					
				ST361				42					
				118451				6					
				119798				2					
				121009				34					
D412-742-043 *D412-742-043* Replacement Float Skidtube		Manufactured	No			110	Each	0.0000	1	1			

**

12/4/25
M121585 (2)

**

83105

12/10/25

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April-13-12 10:35:18 AM

Page 2

Work Order ID: 83154

83154

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

D2571
D2571
Saddle, Fwd Out 205

Manufactured No

110 Each

24.0000

**

Location

Loc Qty

Loc Code

ST

1

11644

1

ST425

-13

ST432

23

80828

4

81764

12

82049

7

ST433

13

D2572
D2572
Saddle, Fwd In 205

Manufactured No

110 Each

20.0000

**

Location

Loc Qty

Loc Code

ST432

20

71107

2

81765

12

82050

6

D2573
D2573
Saddle, Aft Out 205

Manufactured No

110 Each

10.0000

**

Location

Loc Qty

Loc Code

ST423

-12

79424

0

ST433

10

81221

10

ST434

12

April-13-12 10:35:18 AM

Shop Packet Print

Page 2

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April-13-12 10:35:18 AM

Page 3

Work Order ID: 83154

83154

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

D2574

Manufactured No

110 Each

10.0000

1
**

D2574

Saddle, Aft In 205

382368

Location

Loc Qty

Loc Code

ST433

10

81220

10

D2876

Manufactured No

110 Each

69.0000

2
**

D2876

Saddle Spacer

h

Location

Loc Qty

Loc Code

ST020

69

79693

69

D2877

Manufactured No

110 Each

19.0000

2
**

D2877

Saddle Spacer

382026

Location

Loc Qty

Loc Code

ST020

19

78843

19

D3403-1

Manufactured No

110 Each

167.0000

8
**

D3403-1

Bushing

10/14/25

Location

Loc Qty

Loc Code

ST041

15

70696

15

ST042

152

80208

7

80219

44

81529

101

840

April-13-12 10:35:18 AM

Shop Packet Print

Page 3

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April-13-12 10:35:18 AM

Page 4

Work Order ID: 83154

83154

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

D3403-5

Manufactured No

110 Each

150.0000

8 8

**

D3403-5

Bushing

Location

Loc Qty

Loc Code

ST042

150

79740

7

80221

32

81531

111

110 Each

292.0000

4 4

**

D2747

Manufactured No

D2747

Set Screw

Location

Loc Qty

Loc Code

ST017

292

79520

92

81877

200

110 Each

66.0000

2 2

**

D3533-1

Manufactured No

D3533-1

Set Screw

Location

Loc Qty

Loc Code

ST053

66

80326

66

110 Each

255.0000

16 16

**

AN4C6A

Purchased No

AN4C6A

Bolt

Location

Loc Qty

Loc Code

FG

4

103344

4

ST356

251

116704

2

120423

200

120521

49

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April-13-12 10:35:18 AM

Page 5

Work Order ID: 83154

83154

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

AN4C53A

Purchased

No

110

Each

78.0000

AN4C53A

Bolt

**

Location

Loc Qty

Loc Code

ST361

78

121183

76

121184

2

AN4C52A

Purchased

No

110

Each

112.0000

AN4C52A

BOLT

**

Location

Loc Qty

Loc Code

ST361

112

117688

6

120364

76

120465

30

AN6C12A

Purchased

No

110

Each

102.0000

AN6C12A

BOLT

**

Location

Loc Qty

Loc Code

ST341

102

120423

2

121302

100

D3672-3

Manufactured

No

110

Each

218.0000

D3672-3

Phenolic Washer

**

Location

Loc Qty

Loc Code

ST060

218

64176

172

81870

46

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April-13-12 10:35:18 AM

Page 6

Work Order ID: 83154

83154

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

AN960C416L

Purchased No

110 Each

0.0000

32 32

**

*AN960C416I *

WASHER

D3672-9

Manufactured No

110 Each

460.0000

8 8

**

D3672-9

Phenolic Washer

Location

Loc Qty

Loc Code

ST060

460

81763

460

110 Each

135.0000

8 8

**

NAS1149C0632R

Purchased No

NAS1149C0632R

WASHER

Location

Loc Qty

Loc Code

ST297

135

119736

2

120308

33

121060

100

110 Each

355.0000

8 8

**

D3672-11

Manufactured No

D3672-11

Phenolic Washer

Location

Loc Qty

Loc Code

ST060

355

77483

355

8

April-13-12 10:35:19 AM

Shop Packet Print

Page 6

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April-13-12 10:35:19 AM

Page 7

Work Order ID: 83154

83154

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

MS21043-4

Purchased

No

110

Each

1,679.000

29

29

**

MS21043-4

Nut

Location

Loc Qty

Loc Code

FG

40

104603

40

ST301

1639

119546

286

120308

353

121162

1000

29

D3591-1

Manufactured

No

110

Each

26.0000

2

2

**

D3591-1

Bushing

Location

Loc Qty

Loc Code

FP

25

80377

25

ST055

1

57350

1

D3403-3

Manufactured

No

110

Each

103.0000

8

8

**

D3403-3

Bushing

Location

Loc Qty

Loc Code

ST042

103

80220

2

81530

101

8

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April-13-12 10:35:19 AM

Page 8

Work Order ID: 83154

83154

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

D3405-041

Manufactured No

110 Each

20.0000

**

3820315

D3405-041

Lug Assembly

Location

Loc Qty

Loc Code

ST478

20

62227

2

77000

2

82031

16

D3405-043

Manufactured No

110 Each

15.0000

**

3820375

D3405-043

Lug Assembly

Location

Loc Qty

Loc Code

ST478

15

82038

15

AN4C7A

Purchased No

110 Each

199.0000

**

4

AN4C7A

Bolt

Location

Loc Qty

Loc Code

ST356

199

109147

199

D3407-041

Manufactured No

110 Each

26.0000

**

12/4/12

D3407-041

Tow Ring

Location

Loc Qty

Loc Code

ST463

26

82067

9

82108

17

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April-13-12 10:35:19 AM

Page 9

Work Order ID: 83154

83154

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

D3417-3

Manufactured No

110 Each

59.0000

2 2

D3417-3

Washer

**

Location

Loc Qty

Loc Code

FG

9

33519

9

ST042

50

80225

50

110 Each

116.0000

1 1

D3456-1

Manufactured No

D3456-1

Washer

**

Location

Loc Qty

Loc Code

FG

7

25701

7

ST044

109

80252

9

81876

100

110 Each

189.0000

1 1

AN3C37A

Purchased No

AN3C37A

BOLT

**

Location

Loc Qty

Loc Code

ST354

189

116874

11

117010

2

120422

26

120731

50

121068

100

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April-13-12 10:35:19 AM

Page 10

Work Order ID: 83154

83154

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C40A

Purchased

No

110

Each

41.0000

**

AN3C40A
BOLT

Location

Loc Qty

Loc Code

ST354

41

114442

41

AN3C41A

Purchased

No

110

Each

221.0000

**

AN3C41A
BOLT

Location

Loc Qty

Loc Code

FG

4

103324

4

ST354

217

119673

50

120753

30

121013

50

121067

7

121313

80

AN3C42A

Purchased

No

110

Each

59.0000

**

AN3C42A
BOLT

Location

Loc Qty

Loc Code

ST354

59

106176

1

119673

8

120464

25

121103

25

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April-13-12 10:35:19 AM

Page 11

Work Order ID: 83154

83154

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

AN3C43A

Purchased

No

110

Each

145.0000

4 4

**

S *AN3C43A*
BOLT

Location

Loc Qty

Loc Code

ST354

145

114455

2

119673

1

120364

42

120465

100

AN3C46A

Purchased

No

110

Each

110.0000

5 5

**

S *AN3C46A*
BOLT

Location

Loc Qty

Loc Code

ST355

110

103

50

120447

60

AN960C10L

NAS1149C0332
R

Purchased

No

110

Each

0.0000

26 26

**

S *AN960C10I *
washer

MA1255 12/4/24

W/O:		WORK ORDER CHANGES						
DATE	STEP		PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

April-13-12 10:35:19 AM

Page 12

Work Order ID: 83154

83154

Parent Item: D412-742-013

D412-742-013

Parent Item Name: Float Skidtube Installation

Start Date: 13/04/2012

Required Date: 27/04/2012

Start Qty: 1.00

Required Qty: 1.00

MS21043-3

Purchased

No

110

Each

1,383.000

13

13

MS21043-3

1121255

1241248

Nut

Location

Loc Qty

Loc Code

FG

72

103691

72

GA

184

120693

184

ST301

1127

118077

2

118614

83

118686

30

119758

20

121255

992

W/O:		WORK ORDER CHANGES						
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION
	1	X	D412-742-043	FLOAT SKIDTUBE
		1	D3391-043	412 FLOAT SKIDTUBE
1		*24	*AN3C4A	*BOLT
3		*10	*AN3C6A	*BOLT
4		*4	*AN3C7A	*BOLT
5		*38	*AN960C10L	*WASHER
21		*1	*D4095-041	*WEARSHOE (REPLACES D3564-1)
22		*1	*D4095-043	*WEARSHOE (REPLACES D3564-3)
23		*1	*D4095-045	*WEARSHOE (REPLACES D3564-5)
10		*1	*D3391-021	*412 FORWARD TUBE
11		**1	**D3401-041	**TOW CAP
12A		**10	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB166)
13		**10	**AN3C4A	**BOLT
14A		*4	*D3672-1	*WASHER (REPLACES NAS1515H3L)
14B		**10	**AN960C10L	**WASHER
24		**1	**D4095-051	**WEARSHOE (REPLACES D3564-13)
20		*1	*D3391-023	*412 MID TUBE
28		**20	**AELS-1032-130	**INSERT (REPLACES NAS1330S3KB116)
30		*1	*D3391-025	*412 AFT TUBE
25		**1	*D4095-049	**WEARPAD (REPLACES D3537-1)
26		**1	*D4095-047	**WEARPAD (REPLACES D3537-7)
31		**1	**D2646	**AFT CAP
32		**14	**AELS-1032-130	**INSERT
36		**8	**AELS-1032-225	**INSERT (REPLACES NAS1330S3KB366)
37A		*6	*AN3C4A	*BOLT
37B		*4	*AN3C5A	*BOLT
38A		**2	*D3672-1	*WASHER (REPLACES NAS1515H3L)
38B		**10	**AN960C10L	**WASHER

(CONTINUED ON PAGE 20)

(CONTINUED FROM PAGE 19)

Item	Qty -013	Qty -043	Part Number	Description
40	1		D2571	SADDLE, FWD OUTSIDE
41	1		D2572	SADDLE, FWD INSIDE
42	1		D2573	SADDLE, AFT OUTSIDE
43	1		D2574	SADDLE, AFT INSIDE
44	2		D2876	SADDLE SPACER
45	2		D2877	SADDLE SPACER
46A	8		D3403-1	BUSHING
46B	8		D3403-5	BUSHING
47A	4		D2747	SET SCREW
47B	2		D3533-1	SET SCREW
48	16		AN4C6A	BOLT
49A	4		AN4C52A	BOLT
49B	4		AN4C53A	BOLT
50	8		AN6C12A	BOLT
51A	32		D3672-3	WASHER (REPLACES NAS1515H4L)
51B	32		AN960C416L	WASHER
52A	8		D3672-9	WASHER (REPLACES NAS1515H6L)
52B	8		AN960C616L	WASHER
53	8		D3672-11	WASHER (REPLACES NAS1515H7L)
54	24		MS21043-4	NUT
55	4		AN4C7A	BOLT
56	2		D3591-1	BUSHING
60	8		D3403-3	BUSHING
61	1		D3405-041	GHW LUG
62	1		D3405-043	GHW LUG
63	4		AN4C47A	BOLT
64	4		MS21043-4	NUT
70	1		D3407-041	TOW RING
71	2		D3417-3	WASHER
72	1		MS21043-4	NUT
73	1		D3456-1	WASHER
91	1		AN3C37A	BOLT
92	1		AN3C40A	BOLT
93	1		AN3C41A	BOLT
94	1		AN3C42A	BOLT
95	4		AN3C43A	BOLT
97	5		AN3C46A	BOLT
99	26		AN960C10L	WASHER
100	13		MS21043-3	NUT

*DENOTES PART IS INCLUDED WITH D3391-043 ASSEMBLY ABOVE

**DENOTES THAT PART IS INCLUDED WITH ASSEMBLY ABOVE

DART SERVICE INSTRUCTION

TO AMEND INSTALLATION INSTRUCTIONS IIN-D412-742 REV. E
AND INSTRUCTIONS FOR CONTINUED AIRWORTHINESS ICA-D412-742 REV. 4

REF. FAA STC: SR01583SE
REF. CANADIAN STC: SH05-37
REF. EASA STC: EASA.IM.R.S.01126

REFERENCE ONLY

PURPOSE

For D412-742-011/-013 Float Skidtube Installations, qty(4) AN4C53A bolts may be replaced with qty(4) AN4C52A bolts. Kits may be supplied from Dart with either AN4C52A or AN4C53A bolts.

Note that it is acceptable to use longer or shorter AN4C bolts than those specified, as long as there is a minimum of 1.5 threads in safety.

CHANGE

The parts lists of Installation Instructions IIN-D412-742 Rev. E and Instructions for Continued Airworthiness ICA-D412-742 Rev. 4 is amended as follows:

- 5.1 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (IIN-D412-742)
32.18 D412-742-011 (PMA/OEM) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -011	Qty -041	Qty -015	Part Number	Description
	X			D412-742-011	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4			AN4C53A OR AN4C52A	BOLT
-----	---	--	--	-----------------------	------

WAS:

49B	4			AN4C53A	BOLT
-----	---	--	--	---------	------

- 5.2 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (IIN-D412-742)
32.19 D412-742-013 (APICAL TRI-BAG) Float Skidtube Installation Parts List (ICA-D412-742)

Item	Qty -013	Qty -043	Part Number	Description
	X		D412-742-013	FLOAT SKIDTUBE INSTALLATION

IS:

49B	4		AN4C53A OR AN4C52A	BOLT
-----	---	--	-----------------------	------

WAS:

49B	4		AN4C53A	BOLT
-----	---	--	---------	------

A	NEW ISSUE	CP	12.02.28
REV.	DESCRIPTION	BY	DATE
DESIGN	93	DART AEROSPACE USA, INC KENT, WA	
DRAWN	93		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.	N/A	DSI 9600	SHEET 1 OF 1
APPROVED		TITLE	SCALE
DE APPR.		BOLT SUBSTITUTION	NTS
DATE	12.02.28	<small>COPYRIGHT © 2012 BY DART AEROSPACE USA, INC THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE USA, INC.</small>	